

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

ES Windows, LLC 3550 NW 49th Street MIAMI, FL 33142

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "ES-8000T" Thermally Broken Aluminum Window Wall System - L.M.I.

APPROVAL DOCUMENT: Drawing No. **W14-38**, series titled "ES-8000T Alum. Window Wall System (L.M.I.)", sheets 1 through 9 of 9, dated 10/01/14, with revision "B" dated 06/27/16, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami–Dade County Product Control Approval stamp with the Notice of Acceptance number and Approval date by the Miami–Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Barranquilla, Colombia, America Latina, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Jorge M. Plasencia, P.E.

MIAMI-DADE COUNTY
APPROVED

8 11 201

NOA No. 15-0826.26 Expiration Date: August 25, 2021

Approval Date: August 25, 2016

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. W14-38, series titled "ES-8000T Alum. Window Wall System (L.M.I.)", sheets 1 through 9 of 9, dated 10/01/14, with revision "B" dated 06/27/16, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Level Impact Test per FBC, TAS 201–94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Drop Load Test, per CPCS 16 CFR 1201 (Cat 11)
 - 7) Safety Performance Test, (class A) per ANSI Z97.1

along with marked-up drawings and installation diagram of a window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7546**, dated 04/14/15, signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS:

- 1. Anchor verification calculations and structural analysis, complying with FBC 5th Edition (2014), prepared by Al-Farooq Corporation, dated 07/13/15 revised on 06/30/16, signed and sealed by Javad Ahmad, P.E.
- 2. Glazing complies with ASTM E1300-09

D. QUALITY ASSURANCE

.

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 14–0916.10 issued to Kuraray America, Inc. for their "Kuraray Butacite® PVB Glass Interlayer" dated 04/25/15, expiring on 12/11/16.
- 2. Notice of Acceptance No. 14-0916.11 issued to Kuraray America, Inc. for their "SentryGlas® (Clear and White) Glass Interlayers" dated 06/25/15, expiring on 07/04/18.
- 3. Bayer MaterialScience, LLC Part No. Baydur TB 100–30 Thermal Break System complying with ASTM D638 Tensile Strength of 5,700 psi, ASTM D 790 Flexural Modulus of 225 ksi, ASTM D 256 Notched Izod of 1.9 ft.–lb./in., ASTM D 648 Heat Distortion of 178°F @ 66 psi, ASTM D 2240 Hardness Shore D @ 5 sec. of ±78 Durometer, ASTM D 1622 Density of 72 pcf and ¹/₄—inch thickness.

Jorge M. Plasencia, P.E. Product Control Unit Supervisor NOA No. 15-0826.26

Expiration Date: August 25, 2021

Approval Date: August 25, 2016

ES Windows, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (CONTINUED)

4. 0.375-inch (Length) by 0.26-inch (Height) by 0.0059-inch (Thickness) (9.5x6.6x0.15mm) Aluminum Low Profile Insulated-Glass spacer **Helima AH 956 N** (P/N.: USA K 001 000 000 R7) with Aluminum Alloy **AW-3000** (Ft_u=17 ksi and Ft_v=12ksi) by **He**lmut **Lingemann** GmbH & Co., KG.

F. STATEMENTS

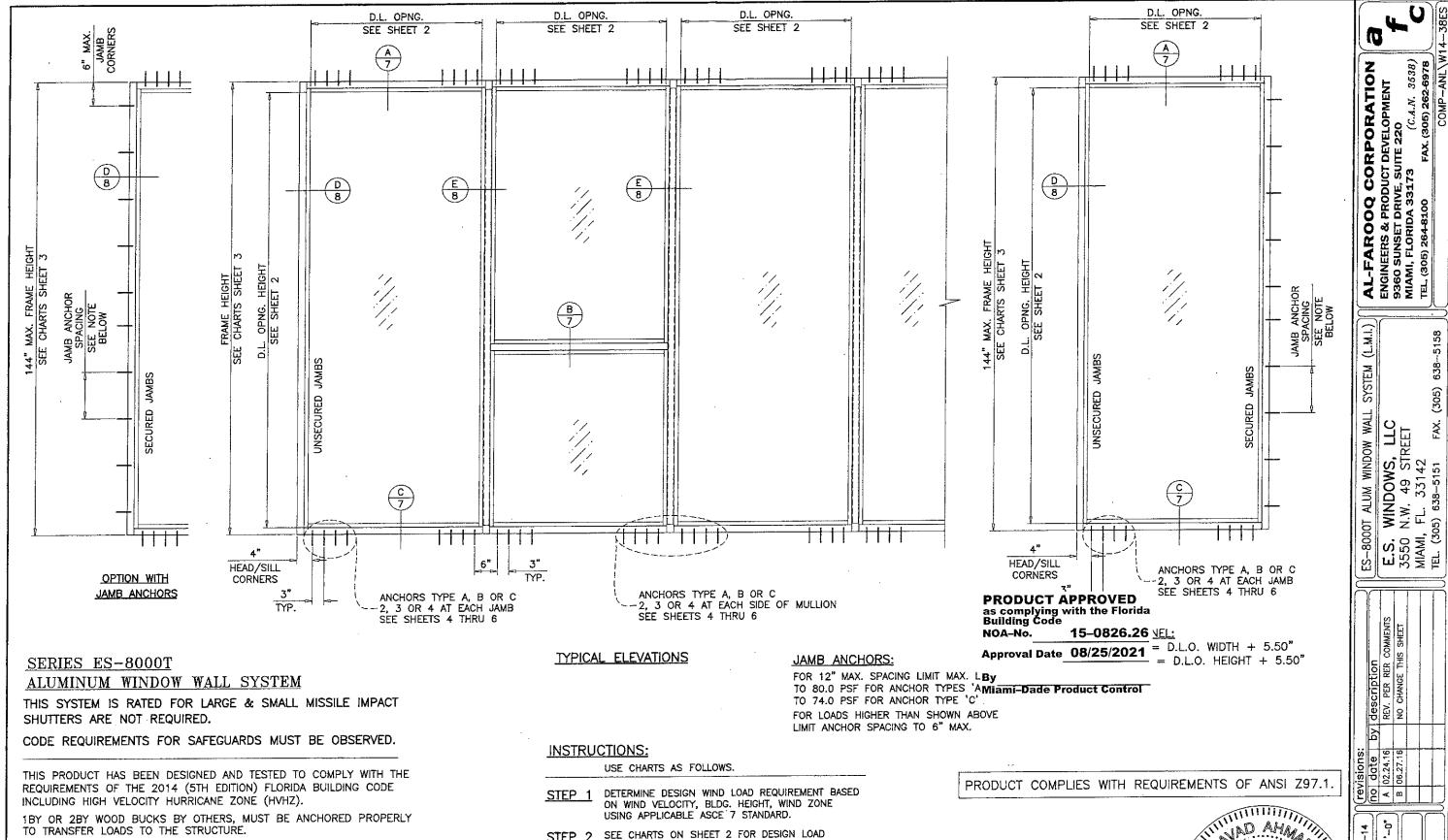
- 1. Statement letter of conformance, complying with FBC 5th Edition (2014), and of no financial interest, dated 07/13/15, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
- 2. Distributor Agreement between ES Windows-Energia Solar, S.A., Barranquilla, Columbia, S.A. and ES Windows, LLC, Miami, Florida, dated 09/12/13, signed by Ms. Adriana Montoya, Manager and Andres Chamorro, General Manager respectively on behalf of the companies.
- 3. Laboratory compliance letters for Test Report No. **FTL-7546**, dated 04/14/15, issued by Fenestration Testing Laboratory, Inc., signed and sealed by Idalmis Ortega, P.E.
- 4. Proposal issued by Product Control, dated 11/08/13, signed by Jaime D. Gascon, P. E.

G. OTHERS

1. None.

Jorge M. Plasencia, P.E. Product Control Unit Supervisor NOA No. 15–0826.26

Expiration Date: August 25, 2021 Approval Date: August 25, 2016



ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2014 FLORIDA BUILDING CODE & ADOPTED STANDARDS. SEE CHARTS ON SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.

CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 3. STEP 3 THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.

STEP 4 USING CHART ON SHEETS 4 THRU 6 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.

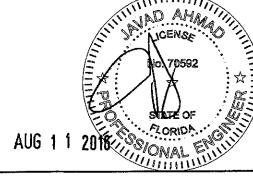
THE LOWEST VALUE RESULTING FROM STEPS 2, 3, AND 4 SHALL APPLY TO ENTIRE SYSTEM.

PRODUCT APPROVED as complying with the Florida Building Code

NOA-No. 15-0826.26

Approval Date 08/25/2021

Miami-Dade Product Control



1/2"=1'-0" 10-01-14 Ď,

Þ drawing no.

W14 - 38sheet 1 of 9

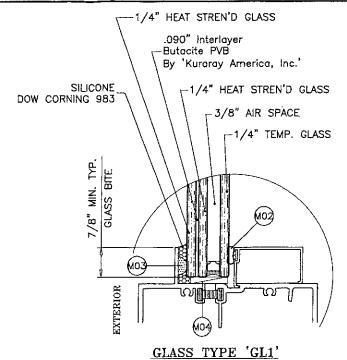
GLASS I	LOAD CAPACI	TY - PS	SF
		GLASS	TYPES
NOMINA	L DIMS.	'GL1'/	'GL1R'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(-)
26-1/4"		60.0	70.0
32-1/4"	l .	60.0	70.0
38-1/4"	105 1/2"	60.0	70.0
44-1/4"	105-1/2"	60.0	70.0
50-1/4"		60.0	70,0
56-1/4"		60.0	70.0
26-1/4"		60.0	70.0
32-1/4"		60.0	70.0
38-1/4"	108-1/2"	60.0	70.0
44-1/4"	100-1/2	60.0	70.0
50-1/4"		60.0	70.0
56-1/4"		60.0	70.0
26-1/4"		60.0	70.0
32-1/4"		50.0	70.0
38-1/4"	114-1/2"	60.0	70.0
44-1/4"	117 172	60.0	70.0
50-1/4"		60.0	70.0
26-1/4"		60.0	70.0
32-1/4"		60.0	70.0
38-1/4"	120-1/2"	60.0	70.0
44-1/4"		60.0	70.0
50-1/4"		60.0	70.0
26-1/4"		60.0	70.0
32-1/4"	_]	60.0	70.0
38-1/4"	126-1/2"	60.0	70.0
44-1/4"		0.03	70.0
48-1/4"		60.0	70.0
26-1/4"		60.0	70.0
32-1/4"		60.0	70.0
38-1/4"	132-1/2"	60.0	70.0
44-1/4"	ļ	60.0	70.0
46-1/4"		60.0	70.0
26-1/4"		60.0	70.0
32-1/4"	138-1/2"	60.0	70.0
38-1/4"	·	60.0	70.0
44-1/4"		60.0	70.0
	D.L.O.	D.	L.O.

26-1/4" 50.0 70.0 32-1/4" 32-1/4" 38-1/4" 132-1/2" 60.0 70.0 44-1/4" 60.0 70.0 44-1/4" 46-1/4" 60.0 70.0 26-1/4" 26-1/4" 60.0 70.0 32-1/4" 32-1/4" 32-1/4" 32-1/4" 34-1/4" 38-1/4" 138-1/2" 60.0 70.0 38-1/4" 60.0 70.0 70.0 70.0 70.0				1			_ I
32-1/4" 38-1/4" 132-1/2" 60.0 70.0 44-1/4" 46-1/4" 46-1/4" 26-1/4" 32-1/4" 32-1/4" 32-1/4" 32-1/4" 32-1/4" 32-1/4" 32-1/4" 32-1/4" 32-1/4" 38-1/4" 44-1/4" 46" D.L.O. WIDTH D.L.O. WID	48-1/4"		60.0	70.0		26-1/4"	
32-1/4" 38-1/4" 132-1/2" 60.0 70.0 44-1/4" 46-1/4" 46-1/4" 26-1/4" 32-1/4" 32-1/4" 32-1/4" 32-1/4" 32-1/4" 32-1/4" 32-1/4" 32-1/4" 32-1/4" 38-1/4" 44-1/4" 46" D.L.O. WIDTH D.L.O. WID	26-1/4"		60.0	70.0		32-1/4"	
44-1/4" 46-1/4" 50.0 70.0 60.0 70.0 26-1/4" 32-1/4" 33-1/4" 38-1/4" 44-1/4" 50.0 70.0 60.0 70.0	32-1/4"		60.0	70.0			1
44-1/4" 46-1/4" 50.0 70.0 60.0 70.0 26-1/4" 32-1/4" 33-1/4" 38-1/4" 44-1/4" 50.0 70.0 60.0 70.0	38-1/4"	132-1/2"	60.0	70.0		44-1/4"	
26-1/4" 32-1/4" 32-1/4" 38-1/4" 44-1/4" D.L.O. WIDTH INTERPOLATIO	44-1/4"		60.0	70.0		48"	
26-1/4" 32-1/4" 38-1/4" 38-1/4" 44-1/4" D.L.O. WIDTH D.L	46-1/4"		60.0	70.0		26-1/4"	Γ
38-1/4" 44-1/4" D.L.O. WIDTH D.L.O. WIDTH 44-1/4" 46" 26-1/4" 32-1/4" 38-1/4" 44-1/4" INTERPOLATIO	26-1/4"		60.0	70.0		32-1/4"	
D.L.O. WIDTH INTERPOLATIO	32-1/4"	139 1/0"	60.0	70.0		38-1/4"	1:
D.L.O. WIDTH 32-1/4" 32-1/4" 38-1/4" 44-1/4" INTERPOLATIO	38-1/4"	136-1/2	60.0	70.0		44-1/4"	
WIDTH WIDTH 32–1/4" 38–1/4" 44–1/4" INTERPOLATIO	44-1/4"		60.0	70.0			
WIDTH WIDTH 32-1/4" 1 38-1/4" 44-1/4" INTERPOLATIO		חוח		1.0		26-1/4"	
38-1/4" 44-1/4" INTERPOLATIO	1-		<u>س</u> W	IDTH	<u>-</u> J	32-1/4"	
INTERPOLATIO		_	Γ		٦,	38-1/4"	'
D.L.O. HEIGHT			 	January	-M	44-1/4"	
D.L.O. HEIGHT			D.L.O. HEIGHT	<u>Y</u>		INTERPOLA	TIO
			D.L.O. HEIGHT	Y Comment			

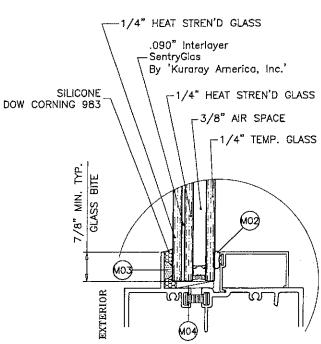
D.L.O. HEIGHT

	GLASS LO	AD CAPA	CITY -	PSF			
		GLASS TYPES					
NOMINA	L DIMS.	'G	L2'	'GL2R'			
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)		
26-1/4"		90.0	120.0	90.0	90.0		
32-1/4"		90.0	120.0	90.0	90.0		
38-1/4"		90.0	120.0	90.0	90.0		
44-1/4"	84-1/2"	90.0	120.0	90.0	90.0		
50-1/4"		90.0	120.0	90.0	90.0		
56-1/4"		90.0	120.0	90.0	90.0		
26-1/4"		90.0	120.0	90.0	90.0		
32-1/4"		90.0	120.0	90.0	90.0		
38-1/4"	00 1/0"	90.0	120.0	90.0	90.0		
44-1/4"	90-1/2"	90.0	120.0	90.0	90.0		
50-1/4"		90.0	120.0	90.0	90.0		
26-1/4"		90.0	120.0	90.0	90,0		
32-1/4"		90.0	120.0	90.0	90.0		
38-1/4"	07 1/2"	90.0	120.0	90.0	90.0		
44-1/4"	93~1/2"	90.0	120.0	90.0	90.0		
50-1/4"		90.0	120.0	90.0	90.0		
26-1/4"		90.0	120.0	90.0	90.0		
32-1/4"		90.0	120.0	90.0	90.0		
381/4"	06_1/2"	90.0	120,0	90.0	90.0		
44-1/4"	96-1/2"	90.0	120.0	90.0	90.0		
50-1/4"		90.0	120.0	90.0	90.0		
26-1/4"		90.0	120.0	90.0	90.0		
32-1/4"		90.0	120.0	90.0	90.0		
38-1/4"	102-1/2"	90.0	120.0	90.0	90.0		
44-1/4"	102 172	90.0	120.0	90.0	90.0		
49"		90.0	120.0	90.0	90.0		
26-1/4"		90.0	120.0	90.0	90.0		
32-1/4"		90.0	120.0	90.0	90.0		
38-1/4"	105-1/2"	90.0	120.0	90.0	90.0		
44-1/4"		90.0	120.0	90.0	90.0		
48"		90.0	120.0	90.0	90.0		
26-1/4"	<u> </u>	90.0	120.0	90.0	90.0		
32-1/4"		90.0	120.0	90.0	90.0		
38-1/4"	108-1/2"	90.0	120.0	90.0	90.0		
44-1/4"	-	90.0	120.0	90.0	90.0		
46"		90.0	120.0	90.0	90.0		
26-1/4"	ļ.	90.0	120.0	90.0	90.0		
32-1/4"	114-1/2"	90.0	120.0	90.0	90.0		
38-1/4"	´	90.0	120.0	90.0	90.0		
44-1/4"		90.0	120.0	90.0	90.0		

ON BETWEEN WIDTHS OR HEIGHTS ALLOWED.



1-3/16" OVERALL INSUL. LAM. GLASS



GLASS TYPE 'GL2' 1-3/16" OVERALL INSUL. LAM. GLASS

3/8" AIR SPACE CONSISTING OF: PRODUCT APPROVED 'HELIMA' LOW PROFILE ALUMINUM SPACER as complying with the Florida Building Code

AROUND THE PERIMETER OF THE GLASS. NOA-No.

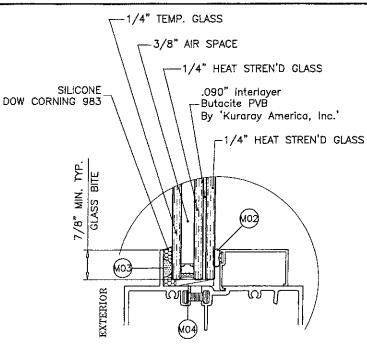
SILICONE DOW CORNING 791 GE 2000

PERIMETER SEALANT:

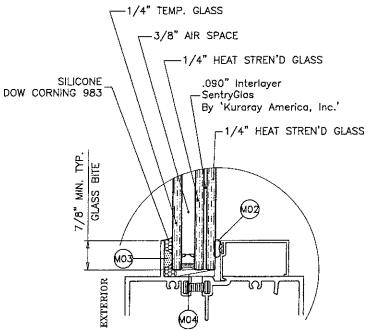
BY 'LINGERMANN GMBH'

SPACER:

GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS).



GLASS TYPE 'GL1R' 1-3/16" OVERALL INSUL. LAM. GLASS



GLASS TYPE 'GL2R' 1-3/16" OVERALL INSUL. LAM. GLASS

15-0826.26 Approval Date 08/25/2021 Miami-Dade Product Control

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(C.A.N. 353k FAX. (305) 262-697 COMP—ANL\

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3638)
TEL. (305) 264-8100 FAX. (305) 262-6978

SYSTEM (L.M.I.)

ES-8000T ALUM WINDOW WALL S

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (30)

drawing no. W14 - 38

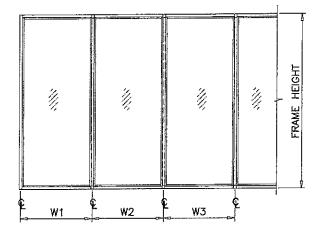
sheet 2 of 9

GLASS

DESIGN LOAD CAPACITY - PSF JAMB/MULLION WITHOUT INTERMEDIATE HORIZONTALS								
NOMINA	L DIMS.		MB LION					
WIDTH (W)	FRAME HEIGHT							
30*	710002 772077	90.0	120.0					
1		90.0	120.0					
36"		90.0	120.0					
42"	96"	90.0	120.0					
48"		90.0	120.0					
54"		90.0	120.0					
60" 30"		90.0	120.0					
36"		90.0	120.0					
36 42"		90.0	120.0					
	98-1/2*	90.0	120.0					
48"								
54"		90.0	120.0					
60"		60.0	70.0 120.0					
30" 36"		90.0						
36"		90.0	120.0					
42"	102"	90.0	120.0					
48"		90.0	120.0					
54"		90.0	120.0					
60"		60.0	70.0					
30"		90.0	120.0					
36"		90.0	120.0					
42"	108"	90.0	120.0					
48"		90.0	120.0					
54"		60.0	70.0					
60"		60.0	70.0					
30"	ļ	90,0	120.0					
36"		90.0	120.0					
42"	110-1/2"	90.0	120.0					
48"		90.0	116.0					
54"		60.0	70.0					
60"		60.0	70.0					
30*		90.0	120.0					
36"		90.0	120.0					
42"	114"	90.0	118.1					
48*		90.0	105.1					
54 " -	[60.0	70.0					
60*		60.0	70.0					
30"	ŀ	90.0	120.0					
36"		90.0	115.9					
42"	120"	90.0	100.7					
48"		84.9	84.9					
54"	1	60.0	70.0					
57*		60.0	70.0					
30"	-	60.0	70.0					
36*	_ [60.0	70.0					
42"	126"	60.0	70.0					
48"	1	60.0	70.0					
54"		60.0	69.4					
30"		60.0	70.0					
36"		60.0	70,0					
42"	132"	60.0	70.0					
48"		60.0	66.4					
52"		60.0	61.9					

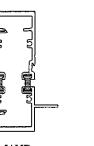
DESIGN LOAD CAPACITY - PSF JAMB/MULLION WITHOUT INTERMEDIATE HORIZONTALS							
NOMINA	JAI MUL						
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)				
30"		60.0	70.0				
36"		60.0	70.0				
42"	138"	60.0	65.4				
48"		57.9	57.9				
50"		55.8	55.8				
30"		60.0	70.0				
36"	144"	60.0	66.3				
42"	177	57.4	57.4				
48"		50.7	50.7				

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



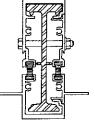
WIDTH (W) = W1AT FRAME JAMB

W2 + W3WIDTH(W) =AT FRAME MULLION



JAMB

Ix IN^4 Sx IN^3 6.8850 2.6400



MULLION

Ix IN^4 Sx IN^3 11.3441 4.3497

DESIGN LOAD CAPACITY - PSF JAMB/MULLION WITH INTERMEDIATE HORIZONTALS JAMB MULLION NOMINAL DIMS. FRAME HEIGHT EXT.(+) INT.(-) WIDTH (W) 90.0 120.0 120.0 90.0 36" 96" 42" 90.0 120.0 120.0 90.0 48" 90.0 120.0 30" 120.0 90.0 98-1/2" 120.0 90.0 90.0 120.0

36" 42" 30" 90.0 120.0 90.0 120.0 36" 102" 90.0 120.0 42" 48" 90.0 120.0 120.0 30" 90.0 36" 90.0 120.0

108" 120.0 90.0 42" 90.0 115.3 48" 30" 90.0 120.0 90.0 120.0 36"

42"

48"

30"

36"

42"

48" 30"

36"

30"

36"

42"

110-1/2" 90.0 120.0 90.0 107.6 90.0 120.0 90.0 120.0 114"

90.0 112.0 90.0 98.0 120.0 90.0 90.0 112.0 120" 96.0 90.0

42" 84.0 84.0 48" 30" 60.0 70.0 36" 60.0 70.0 126" 42" 60.0 70.0 70.0

60.0 48" 30" 60.0 60.0 36" 132" 42" 60.0

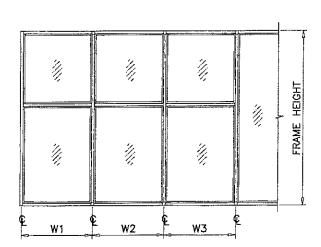
70.0 48" 60.0 63.1 60.0 70.0 30" 60.0 36" 138" 42" 60.0 48"

70.0 63.1 55.3 55.3 70.0 60.0 64.8 60.0 144" 55.6 55.6 48.6 48.6

70.0

70.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



WIDTH (W) = W1AT FRAME JAMB

W2 + W3WIDTH (W) =AT FRAME MULLION

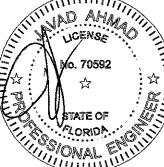
MULLIONS

AUG 1 1 2016

PRODUCT APPROVED as complying with the Florida Building Code 15-0826.26 NOA-No.

Approval Date 08/25/2021

Miami-Dade Product Control



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(C.A.N. 3538) FAX. (305) 262-6978 COMP—ANL\W1

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33473 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

(L.M.I.)

ES-8000T ALUM WINDOW WALL SYSTEM

E.S. WINDOWS, LLC 3550 N.W. 49 STREET MIAMI, FL. 33142 TEL (305) 638-5151 FAX. (

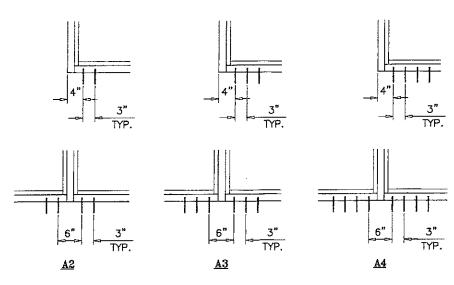
drawing no. W14 - 38

sheet 3 of 9

	A	.voiior		& INT.	(-)				
				AN		TYPE 'A			
NOMIN	AL DIMS.	1/4	MAX.	SHIM	3/8	MAX.	SHIM	1/2"	SHIM
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	AZ	A3	A4	A3	A4
30"		120.0	120.0	120.0	99.0	120.0	120.0	115.2	120.0
36"		107.1	120.0	120.0	82.5	120.0	120.0	96.0	120.0
42"	78"	91.8	120.0	120.0	70.7	106.0	120.0	82.3	109.7
48"	'`	80.3	120.0	120.0	61.8	92.8	120.0	72.0	96.0
54"		71.4	107.1	120.0	55.0	82.5	109.9	64.0	85.3
60"		64.2	96.4	120.0	49.5	74.2	99.0	57,6	76.8
30"	-	119.3	120.0	120.0	91.9	120.0	120.0	107.0	120.0
36 " 		99.4	120.0	120.0	76.6	114.9	120.0	89.1	118.9
42"	84"	85.2	120.0	120.0	65.6	98.4	120.0	76.4	101.9
48"		74.6	111.9	120.0	57.4	86.1	114.9	66.9	89.1
54"		66.3	99.4	120.0	51.0	76.6	102.1	59.4 53.5	79.2
60"	<u>'</u>	59.7	89.5	119.3	45.9	68.9 120.0	91.9	99.8	120.0
30"	,	111.4	120.0	120.0	85.8 71.5		120.0	83.2	110.9
36"		92.8	120.0	120.0	61.3	107.2 91.9	120.0	71.3	95.1
42" 48"	90"	79.5 69.6	104.4	120.0	53.6	80.4	120.0	62.4	83.2
48" 54"		61.9	92.8	120.0	47.6	71.5	95.3	55.5	74.0
5 4 60"		55.7	83.5	111.4	42.9	64.3	85.8	49.9	66.6
30"		104.4	120.0	120.0	80.4	120.0	120.0	93.6	120.0
36 "		87.0	120.0	120.0	67.0	100.5	120.0	78.0	104.0
42"		74.6	111.9	120.0	57.4	86,1	114.9	66.9	89.1
48"	96"	65.3	97.9	120.0	50.3	75.4	100.5	58.5	78.0
54"		58.0	87.0	116.0	44.7	67.0	89.3	52.0	69.3
60"		52.2	78.3	104.4	40.2	60.3	80.4	46.8	62.4
30"		98.3	120.0	120.0	75.7	113.5	120.0	88.1	117.5
36 "		81.9	120.0	120,0	63.1	94.6	120.0	73.4	97.9
42"		70.2	105.3	120.0	54.1	81.1	108.1	62.9	83.9
48"	102"	61.4	92.1	120.0	47.3	70.9	94.6	55.1	73.4
54"		54.6	81.9	109.2	42.0	63.1	84.1	48.9	65.3
60"		49.1	70.0	70.0	37.8	56.8	70.0	44.0	58.7
30"		92.8	120.0	120.0	71.5	107.2	120.0	83.2	110.9
36"		77.3	116.0	120.0	59.6	89.3	119.1	69.3	92.4
42"	100"	66.3	99.4	120.0	51.0	76.6	102.1	59.4	79.2
48"	108"	58.0	87.0	116.0	44.7	67.0	89.3	52.0	69.3
54"		51.6	77.3	103.1	39.7	59.6	79.4	46.2	61.6
60"		46.4	69.6	70.0	35.7	53.6	70.0	41.6	55.5
30"		87.9	120.0	120.0	67.7	101.6	120.0	78.8	105.1
36"		73.3	109.9	120.0	56.4	84.6	112.8	65.7	87.6
42"	114"	62.8	94.2	120.0	48.4	72.5	96.7	56.3	75.1
48"		54.9	82.4	109.9	42.3	63.5	84.6	49.3	65.7
54"	<u> </u>	48.8	70.0	70.0	37.6	56.4	70.0	43.8	58.4
60"		44.0	65.9	70.0	33.9	50.8	67.7	39.4	52.5
30"].	83.5	120.0	120.0	64.3	96.5	120.0	74.9	99.8
36"		69.6	104.4	120.0	53.6	80.4	107.2	62.4	83.2
42"	120"	59.7	89.5	119.3	45.9	68.9	91.9	53.5	71.3
48"		52.2	78.3	104.4	40.2	60.3	80.4	46.8	62.4
54"		46.4	69.6	70.0	35.7	53.6	70.0	41.6	55.5
30 "	ļ.	70.0	70.0	70.0	61.3	70.0	70.0	70.0	70.0
36"		66.3	70.0	70.0	51.0	70.0	70.0	59.4	70.0
42"	126"	56.8	70.0	70.0	43.8	65.6	70.0	50.9	67.9
48"	l l	49.7	70.0	70.0	38.3	57.4	70.0	44.6	59.4

	ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)								
				ANG	CHORS '	TYPE 'A	ν'		
NOMIN	AL DIMS.	1/4"	MAX.	SHIM	3/8"	MAX.	SHIM	1/2"	SHIM
WIDTH (W)	FRAME HEIGHT	A2	АЗ	A4	A2	А3	A4	A3	A4
30"		70.0	70.0	70.0	58.5	70.0	70.0	68.1	70.0
36"	470"	63.3	70.0	70.0	48.7	70.0	70.0	56.7	70.0
42"	132"	54.2	70.0	70.0	41.8	62.6	70.0	48.6	64.8
48"		47.5	70.0	70.0	36.5	54.8	70.0	42.5	56.7
30"		70.0	70.0	70.0	55.9	70.0	70.0	65.1	70.0
36"	170"	60.5	70.0	70.0	46.6	69.9	70.0	54.3	70.0
42"	138"	51.9	70.0	70.0	40.0	59.9	70.0	46.5	62.0
48"		45.4	68.1	70.0	35.0	52.4	69.9	40.7	54.3
30"		69.6	70.0	70.0	53.6	70.0	70.0	62.4	70.0
36"		58.0	70.0	70.0	44.7	67.0	70.0	52.0	69.3
42"	144"	49.7	70.0	70.0	38.3	57.4	70.0	44.6	59.4
48"		43.5	65.3	70.0	33.5	50.3	67.0	39.0	52.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



ANCHORS TYPES: SEE SHEET 7 FOR DESCRIPTION

A2=(2) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION A3=(3) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION A4=(4) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION

INTERMEDIATE HORIZONTALS OPTIONAL ALL FIXED LITES W3 W1 WIDTH (W) = W1

AT FRAME JAMB

WIDTH (W) =AT FRAME MULLION

PRODUCT APPROVED
as complying with the Florida
Building Code 15-0826.26 NOA-No.

Approval Date 08/25/2021

Miami-Dade Product Control

AUG 1 1 2016

ICENSE NO. 70592

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33.173 (C.A.N. 3538)
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ES-8000T ALUM WINDOW WALL SYSTEM (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142

TEL (305) 638-5151 FAX. (305) 638-5158

frevisions:

fro date by description

A 02.24.16 REV. PER RER CC

B 06.27.16 REV. PER RER CC

drawing no. W14 - 38

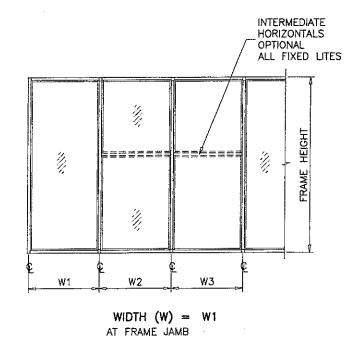
sheet 4 of 9

ANCHORS

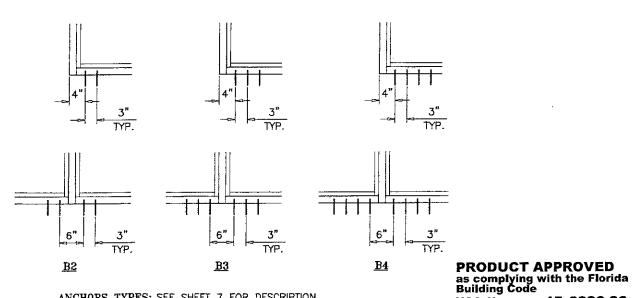
				& INT.	(-)					
					CHORS				/o# avr	n r
	AL DIMS.	<u> </u>	MAX.			MAX.		 	/2" SH	т
WIDTH (W)	FRAME HEIGHT		B3	B4	B2	B3	B4	B2	B3	B4
30" "		120.0	120.0	120.0	120.0	120.0	120.0	101.4	120.0	120.0
36"		120.0	120.0	120.0	107.1	120.0	120.0	84.5	120.0	120.0
42"	78"	119.9	120.0	120.0	91.8	120.0	120.0	72.4	108.7	120.0
48"		104.9	120.0	120.0	80.3	120.0	120.0	63.4	95.1 84.5	1120.0
54"		93.3	120.0	120.0	71.4		120.0	56.3	76.1	101.4
60"		83.9	120.0	120.0	119.3	96.4	120.0	94.2	120.0	120.0
30"		120.0	120.0	120.0	99.4	120.0	120.0	78.5	117.7	120.0
36" 42"		120.0	120.0	120.0	85.2	120.0	120.0	57.3	100.9	120.0
	84"	97.4	120.0	120.0	74.6	111.9	120.0	58.9	88.3	117.7
48" 54"		86.6	120.0	120.0	66.3	99.4	120.0	52.3	78.5	104.6
		77.9	116.9	120.0	59.7	89.5	119.3	47.1	70.6	94.2
60" 30"		120.0	120.0	120.0	111.4	120.0	120.0	87.9	120.0	120.0
36"		120.0	120.0	120.0	92.8	120.0	120.0	73.2	109.9	120.0
ან 42"		103.9	120.0	120.0	79.5	119.3	120.0	62.8	94.2	120.0
4 2 48"	90"	90.9	120.0	120.0	69.6	104.4	120.0	54.9	82.4	109.9
40 54"		80.8	120.0	120.0	61.9	92.8	120.0	48.8	73.2	97.7
60"		72.7	109.1	120.0	55.7	83.5	111.4	43.9	65.9	87.9
30"		120.0	120.0	120.0	104.4	120.0	120.0	82,4	120.0	120.0
36"		113.7	120.0	120.0	87.0	120.0	120.0	68.7	103.0	120.0
42"		97.4	120.0	120.0	74.6	111.9	120.0	58.9	88.3	117.7
48"	96"	85.3	120.0	120.0	65.3	97.9	120.0	51.5	77.3	103.0
54"		75.8	113.7	120.0	58.0	87.0	116.0	45.8	68.7	91.6
60"		68.2	102.3	120.0	52.2	78.3	104.4	41.2	61.8	82.4
30"		120.0	120.0	120.0	98.3	120.0	120.0	77.6	116.3	120.0
36"		107.0	120.0	120.0	81.9	120.0	120.0	64.6	96.9	120.0
42"		91.7	120,0	120.0	70.2	105.3	120.0	55.4	83.1	110.8
48"	102"	80.2	120.0	120.0	61.4	92.1	120.0	48.5	72.7	96.9
54"		71.3	107.0	120.0	54.6	81.9	109.2	43.1	64.6	86.2
60"		64.2	70.0	70.0	49.1	70.0	70.0	38.8	58.2	70.0
30"		120.0	120.0	120.0	92.8	120.0	120.0	73.2	109.9	120.0
36"	Ì	101.0	120.0	120.0	77.3	116.0	120.0	61.0	91.6	120.0
42"	4.00%	86.6	120.0	120.0	66.3	99.4	120.0	52.3	78.5	104.6
48"	108"	75.8	113.7	120.0	58.0	87.0	116.0	45.8	68.7	91.6
54"		67.4	101.0	120.0	51.6	77.3	103.1	40.7	61.0	81.4
60"		60.6	70.0	70.0	46.4	69.6	70.0	36.6	54.9	70.0
30"		114.9	120.0	120.0	87.9	120.0	120.0	69.4	104.1	120.0
36"		95.7	120.0	120.0	73.3	109.9	120.0	57.8	86.7	115.6
42"	114"	82.0	120.0	120.0	62.8	94.2	120.0	49.6	74.3	99.1
48"	114	71.8	107.7	120.0	54.9	82.4	109.9	43.4	65.1	86.7
54"		63.8	70.0	70.0	48.8	70.0	70.0	38.5	57.8	70.0
60"		57.4	70.0	70.0	44.0	65.9	70.0	34.7	52.0	69.4
30"		109.1	120.0	120.0	83.5	120.0	120.0	65.9	98.9	120.0
36"		90.9	120.0	120.0	69.6	104.4	120.0	54.9	82.4	109.9
42"	120"	77.9	116.9	120.0	59.7	89.5	119.3	47.1	70.6	94.2
48"		68.2	102.3	120.0	52.2	78.3	104.4	41.2	61.8	82.4
54"		60.6	70.0	70.0	46.4	69.6	70.0	36.6	54.9	70.0
30"		70.0	70.0	70.0	70.0	70.0	70.0	62.8	70.0	70.0
36"		70.0	70.0	70.0	66.3	70.0	70.0	52.3	70.0	70.0
42"	126"	70.0	70.0	70.0	56.8	70.0	70.0	44.8	67.3	70.0
48"		65.0	70.0	70.0	49.7	70.0	70.0	39.2	58.9	70.0
54"	ſ	57.7	70.0	70.0	44.2	66.3	70.0	34.9	52.3	69.8

	ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)									
		ANCHORS TYPE 'B'								
NOMIN	AL DIMS.	1/4"	MAX.	SHIM	3/8"	MAX.	SHIM	1/	/2" SHI	М
WIDTH (W)	FRAME HEIGHT	B2	В3	B4	B2	B3	B4	B2	В3	B4
30"		70.0	70.0	70.0	70.0	70.0	70.0	59.9	70.0	70.0
36"	132"	70.0	70.0	70.0	63.3	70,0	70.0	49.9	70.0	70.0
42"	132	70.0	70.0	70.0	54.2	70.0	70.0	42.8	64.2	70.0
48*		62.0	70.0	70.0	47.5	70.0	70.0	37.5	56.2	70.0
30"		70.0	70.0	70.0	70.0	70.0	70.0	57.3	70.0	70.0
36"	138"	70.0	70.0	70.0	60.5	70.0	70.0	47.8	70.0	70.0
42"	136	67.8	70.0	70.0	51.9	70.0	70.0	40.9	61.4	70.0
48"		59.3	70.0	70.0	45.4	68.1	70.0	35.8	53.7	70.0
30"		70.0	70.0	70.0	69.6	70.0	70.0	54.9	70.0	70.0
36"	144"	70.0	70.0	70,0	58.0	70.0	70.0	45.8	68.7	70.0
42"	'74	65.0	70.0	70.0	49.7	70.0	70.0	39.2	58.9	70,0
48"		56.8	70.0	70.0	43.5	65.3	70.0	34.3	51.5	68.7

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



WIDTH (W) = AT FRAME MULLION



ANCHORS TYPES: SEE SHEET 7 FOR DESCRIPTION

B2=(2) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION B3=(3) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION B4=(4) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION

Miami-Dade Product Control

NOA-No.

Approval Date 08/25/2021

1 2016 SONAL ENTITY

revisions: no date A 02.24.16 B 06.27.16 dr. by: drawing no. W14 - 38

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL (305) 264-8100 FAX. (305) 262-6978

ES-8000T ALUM WINDOW WALL SYSTEM (L. S.S. WINDOWS, LLC 3550 N.W. 49 STREET MIAMI, FL. 33142
TEL (305) 638-5151 FAX. (305) 638-5

ANCHORS

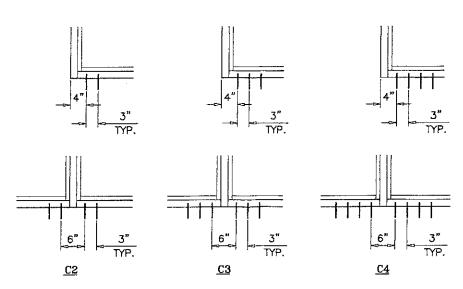
15-0826.26

sheet 5 of 9

	A.			CAPA		Y- GF			
				AN		TYPE '			
NOMIN	AL DIMS.	1/4	MAX.	SHIM	3/8	MAX.	SHIM	1/2"	SHIM
WIDTH (W)	FRAME HEIGHT	C2	C3	C4	C2	C3	C4	C3	C4
30"		120.0	120.0	120.0	91.6	120.0	120.0	108.6	120.0
36"		120.0	120.0	120.0	76.3	114.5	120.0	90.5	120.0
42"	78"	120.0	120.0	120.0	65.4	98.1	120.0	77.5	103.4
48"		120.0	120.0	120.0	57.2	85.8	114.5	67.8	90.5
54"		106.9	120.0	120.0	50.9	76.3	101.7	60.3	80.4
60"		96.2	120.0	120.0	45.8	68.7	91.6	54.3	72.4
30"		120.0	120.0	120.0	85.0	120.0	120.0	100.8	120.0
36"		120.0	120.0	120.0	70.9	106.3	120.0	84.0	112.0
42"	84"	120.0	120.0	120.0	60.7	91.1	120.0	72.0	96.0
48 "		111.7	120.0	120.0	53.1	79.7	106.3	63.0	84.0
54" 		99.3	120.0	120.0	47.2	70.9	94.5	56.0	74.7
60"		89.4	120.0	120.0	42.5	63.8	85.0	50.4	67.2
30"		120.0	120.0	120.0	79.4	119.0	120.0	94.1	120.0
36"		120.0	120.0	120.0	66.1	99.2	120.0	78.4	104.5
42"	90"	119.2	120.0	120.0	56.7	85.0	113.4	67.2	89.6 78.4
48"		104.3	120.0	120.0	49.6	74.4	99.2	58.8 52.3	69.7
54"		92.7	120.0	120.0	44.1	66.1 59.5	88.2 79.4	47.0	62.7
60"		83.4	120.0	120.0	39.7 74.4	111.6	120.0	88.2	117.6
30" 36"	:	120.0	120.0	120.0	62.0	93.0	120.0	73.5	98.0
36" 42"		111.7	120.0	120.0	53.1	79.7	106.3	63.0	84.0
42 48"	96"	97.8	120.0	120.0	46.5	69.8	93.0	55.1	73.5
46 54"		86.9	120.0	120.0	41.3	62.0	82.7	49.0	65.3
60 "		78.2	117.3	120.0	37.2	55.8	74.4	44.1	58.8
30"		120.0	120.0	120.0	70.0	105.0	120.0	83.0	110.7
36"		120,0	120.0	120.0	58.4	87.5	116.7	69.2	92.2
42"		105.1	120.0	120.0	50.0	75.0	100.0	59.3	79.1
+2 48"	102"	92.0	120.0	120.0	43.8	65.6	87.5	51.9	69.2
54"	İ	81.8	120.0	120.0	38.9	58.4	77.8	46.1	61.5
60"		70.0	70.0	70.0	35.0	52.5	70.0	41.5	55.3
30"		120.0	120.0	120.0	66.1	99.2	120.0	78.4	104.5
36"		115.9	120.0	120.0	55.1	82.7	110.2	65.3	87.1
42"		99.3	120.0	120.0	47.2	70.9	94.5	56.0	74.7
48"	108"	86.9	120.0	120.0	41.3	62.0	82.7	49.0	65.3
54"		77.2	115.9	120.0	36.7	55.1	73.5	43.6	58.1
60"		69.5	70.0	70.0	33.1	49.6	66.1	39.2	52.3
30"		120.0	120.0	120.0	62.7	94.0	120.0	74.3	99.0
36"		109.8	120.0	120.0	52.2	78.3	104.4	61.9	82.5
42"	114"	94.1	120.0	120.0	44.8	67.1	89.5	53.1	70.7
48"	114"	82.3	120.0	120.0	39.2	58.7	78.3	46.4	61.9
54"		70.0	70.0	70.0	34.8	52.2	69.6	41.3	55.0
60"		65.9	70,0	70.0	31.3	47.0	62.7	37.1	49.5
30"		120.0	120.0	120.0	59.5	89.3	119.0	70.6	94.1
36"		104.3	120.0	120.0	49.6	74.4	99.2	58.8	78.4
42"	120"	89.4	120.0	120.0	42.5	63.8	85.0	50,4	67.2
48"		78.2	117.3	120.0	37.2	55.8	74.4	44.1	58.8
54"		69.5	70.0	70.0	33.1	49.6	66.1	39.2	52.3
30"		70.0	70.0	70.0	56.7	70.0	70.0	67.2	70.0
36"		70,0	70.0	70.0	47.2	70.0	70.0	56.0	70.0
42"	126"	70.0	70.0	70.0	40.5	60.7	70.0	48.0	64.0
48"		70.0	70.0	70.0	35.4	53.1	70.0	42.0	56.0
54"	[66.2	70.0	70.0	31.5	47.2	63.0	37.3	49.8

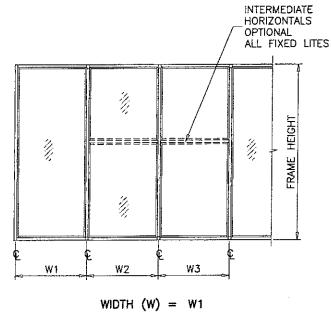
	ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)								
				ANG	CHORS '	TYPE '(43		
NOMIN	AL DIMS.	1/4"	MAX.	SHIM	3/8	MAX.	SHIM	1/2"	SHIM
WIDTH (W)	FRAME HEIGHT	C2	C3	C4	C2	C3	C4	C3	C4
30"		70.0	70.0	70.0	54.1	70.0	70.0	64.1	70.0
36"	132"	70.0	70.0	70.0	45.1	67.6	70.0	53.5	70.0
42"	132	70.0	70.0	70.0	38.6	58.0	70.0	45.8	61.1
48"		70.0	70.0	70.0	33.8	50.7	67.6	40.1	53.5
30"		70.0	70.0	70.0	51.8	70.0	70.0	61.4	70.0
36"	138"	70.0	70.0	70.0	43.1	64.7	70.0	51.1	68.2
42"	136	70.0	70.0	70.0	37.0	55.5	70.0	43.8	58.4
48"		68.0	70.0	70.0	32.3	48.5	64.7	38.3	51.1
30"		70.0	70.0	70.0	49.6	70.0	70.0	58.8	70.0
36"	144"	70.0	70.0	70.0	41.3	62.0	70.0	49.0	65.3
42"	144	70.0	70.0	70.0	35.4	53.1	70.0	42.0	56.0
48"		65.2	70.0	70.0	31.0	46.5	62.0	36.8	49.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



ANCHORS TYPES: SEE SHEET 7 FOR DESCRIPTION

C2=(2) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION C3=(3) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION C4=(4) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION



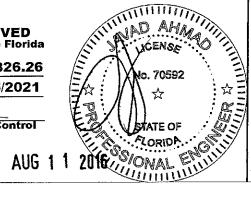
AT FRAME JAMB

W2 + W3WIDTH (W) =AT FRAME MULLION

PRODUCT APPROVED as complying with the Florida Building Code 15-0826.26 NOA-No.

Approval Date 08/25/2021

Miami-Dade Product Control



by description

REV. PER RER C revisions: no date A 02.24.16 B 06.27.16 sheet 6 of 9

drawing no. W14 - 38

HAMID

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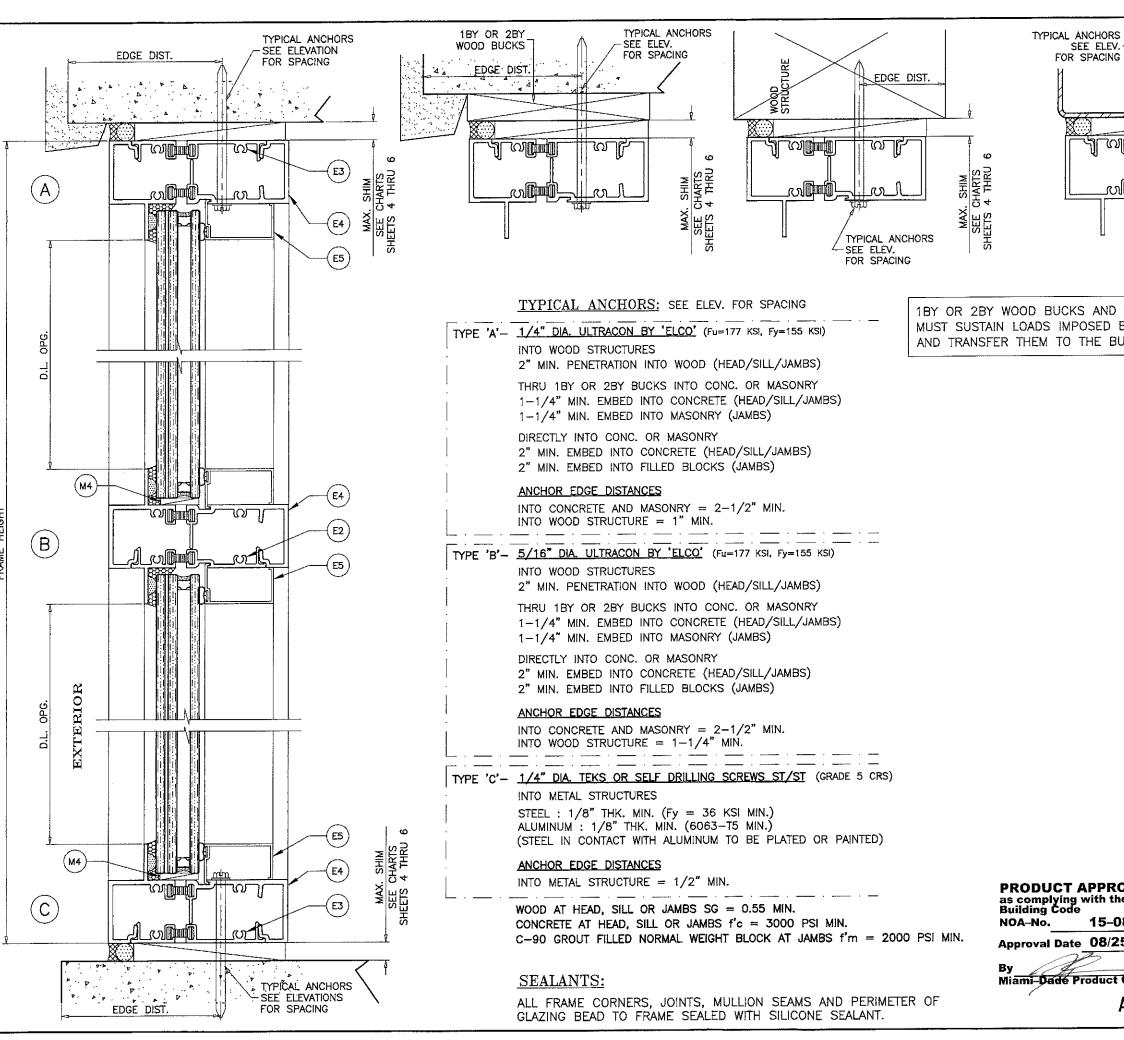
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 331.73 (C.A.N. 3538)
TEL. (305) 264-81.00 FAX. (305) 262-6978
COMP-ANL\W14

ES-8000T ALUM WINDOW WALL SYSTEM (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

ANCHORS



1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY E.S. WDW. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

SEE ELEV.

METAL

EDGE DIST.

STRUCTURES

PRODUCT APPROVED as complying with the Florida Building Code 15-0826.26 Approval Date 08/25/2021

Miami-Dade Product Control

<u>€</u> 2 4 ® HAMID <u>ئ</u> no. W14 - 38

description REV. PER RER ON CHANGE THE

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3638)
TEL (305) 264-8100 FAX. (305) 262-6978

(L.M.I.)

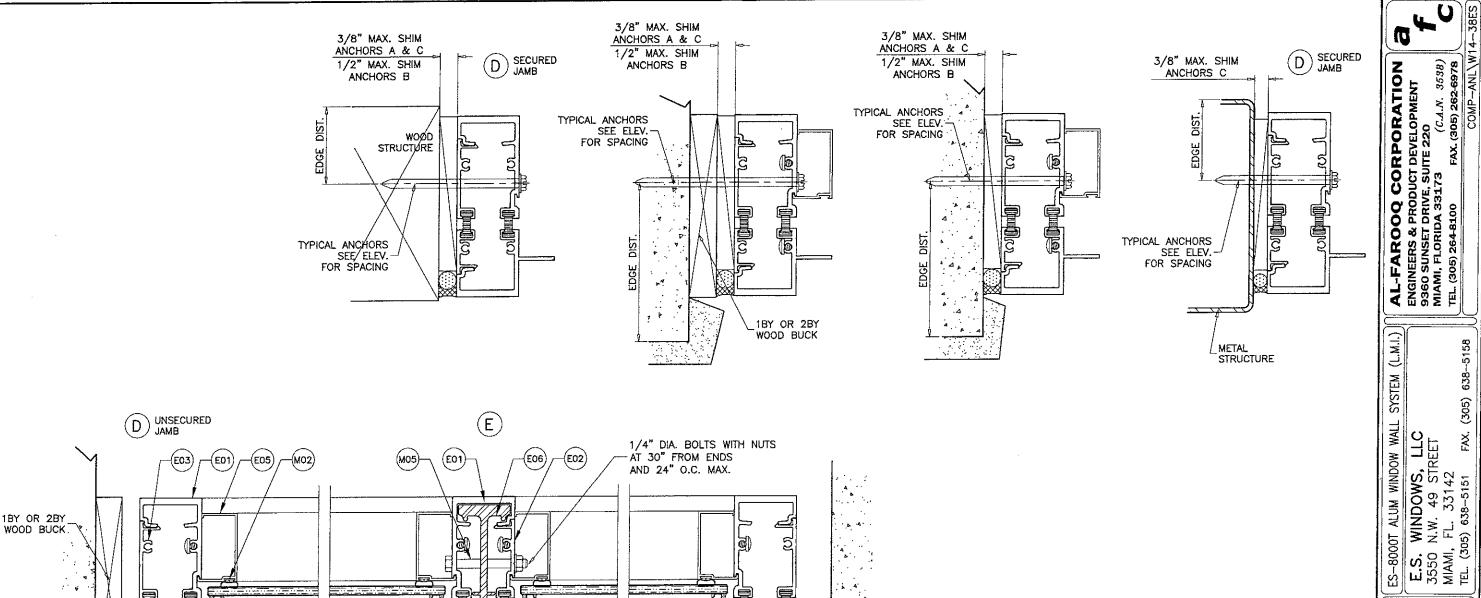
WALL

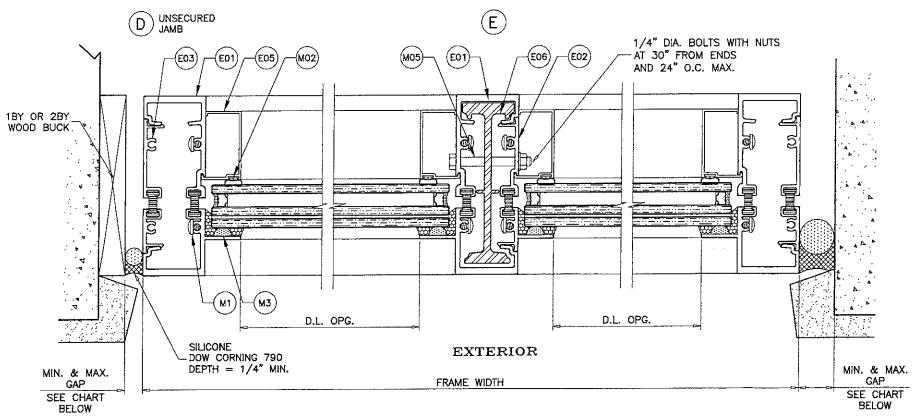
WINDOW

WINDOWS, LLC N.W. 49 STREET F. FL. 33142 305) 638–5151 FAX

E.S. 3550 MIAMI, TEL. (30

sheet 7 of 9





MAX. GAPS FOR UNANCHORED JAMBS									
MAX. FRAME	JAMB	J1							
HEIGHT	MIN.	MAX.							
96"	1/4"	1"							
102"	1/4"	1"							
108"	3/8"	1"							
120"	3/8"	1"							
132"	3/8"	1"							
144"	3/8"	1"							

NOTE:
MAX. MOVEMENT CONSIDERED=100% STRETCH.

PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION
MANUAL FOR COMPATABILITY OF SEALANT TO SUBSTRATE & WINDOWALL
MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY.
REFER TO ACI-117-10 FOR CONSTRUCTION TOLERANCES.

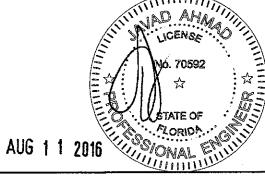
ALTERNATE SEALANTS AT JAMB CAPS CAN BE DESIGNED BY
ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.

GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORD BY
THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.



Approval Date 08/25/2021

By Miami-Dade Product Control



sheet 8 of 9

